


CRF Error Corrected by the STIC Systems Branch



 CRF Processing Date: 11/12/2002

 Edited by: A

 Verified by: A (STIC staff)

Serial Number: 10/089,058

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____



PCT10

RAW SEQUENCE LISTING

DATE: 11/12/2002

PATENT APPLICATION: US/10/089,058

TIME: 18:20:44

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\11122002\J089058.raw

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5 <110> APPLICANT: BRAUN, Curtis
6     PURAC, Admir
7     BORGFORD, Thor
9 <120> TITLE OF INVENTION: Improved Ricin-Like Toxins for Treatment of Cancer
12 <130> FILE REFERENCE: 10447-22
15 <140> CURRENT APPLICATION NUMBER: US 10/089,058
C--> 17 <141> CURRENT FILING DATE: 2002-11-05
21 <150> PRIOR APPLICATION NUMBER: US 60/197,409
23 <151> PRIOR FILING DATE: 2000-04-14
27 <150> PRIOR APPLICATION NUMBER: US 60/157,807
29 <151> PRIOR FILING DATE: 1999-10-04
33 <160> NUMBER OF SEQ ID NOS: 130
37 <170> SOFTWARE: PatentIn version 3.1
41 <210> SEQ ID NO: 1
43 <211> LENGTH: 30
45 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
53 <223> OTHER INFORMATION: primer 301-3'
55 <400> SEQUENCE: 1
56 atgtggggac aacgaaattt taatgctgat                                30
59 <210> SEQ ID NO: 2
61 <211> LENGTH: 105
63 <212> TYPE: DNA
65 <213> ORGANISM: Ricinus communis
69 <400> SEQUENCE: 2
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72 gtggtaccaa attttaatgc tgatgtttgt atggatcctg agccc                    105
75 <210> SEQ ID NO: 3
77 <211> LENGTH: 30
79 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
87 <223> OTHER INFORMATION: primer 301-5'
89 <400> SEQUENCE: 3
90 gccaaagagga ccaaactgtg acgatggtgg                                30
93 <210> SEQ ID NO: 4
95 <211> LENGTH: 69
97 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
105 <223> OTHER INFORMATION: pAP301 (MMP-9) linker
107 <400> SEQUENCE: 4

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110 gctgatgtt                                     69
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115 <211> LENGTH: 1855
117 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
125 <223> OTHER INFORMATION: pAP301
127 <400> SEQUENCE: 5
128 gaattcatga aaccgggagg aaatactatt gtaatatgga tgtatgcagt ggcaacatgg      60
130 ctttgttttg gatccacctc aggggtggtct ttcacattag aggataacaa catattcccc      120
132 aaacaatacc caattataaa ctttaccaca gcgggtgcc a ctgtgcaaag ctacacaaac      180
134 tttatcagag ctgttcgcgg tcgtttaaca actggagctg atgtgagaca tgaaatacca      240
136 gtgttgccaa acagagtttg tttgcctata aaccaacggt ttattttagt tgaactctca      300
138 aatcatgcag agctttctgt tacattagcg ctggatgtca ccaatgcata tgtggtcggc      360
140 taccgtgctg gaaatagcgc atatttcttt catcctgaca atcaggaaga tgcagaagca      420
142 atcactcatc ttttactga tgttcaaaat cgatatacat tcgcctttgg tggtaattat      480
144 gatagacttg aacaacttgc tggtaatctg agagaaaata tcgagttggg aaatggtcca      540
146 ctagaggagg ctatctcagc gctttattat tacagtaact gtggcactca gcttccaact      600
148 ctggctcgtt cctttataat ttgcatccaa atgatttcag aagcagcaag attccaatat      660
150 attgaggagg aaatgogcac gagaattagg tacaacggga gatctgcacc agatcctagc      720
152 gtaattacac ttgagaatag ttgggggaga ctttccactg caattcaaga gtctaacc aa      780
154 ggagcctttg ctagtccaat tcaactgcaa agacgtaatg gttccaaatt cagtgtgtac      840
156 gatgtgagta tattaatccc tatcatagct ctcatggtgt atagatgcgc acctccacca      900
158 tgcacacagt ttggtcctct tggcatgtgg ggacaacgaa attttaaatgc tgatgtttgt      960
160 atggatcctg agcccatagt gcgatcgtga ggtcgaaatg gtctatgtgt tgatgttagg      1020
162 gatggaagat tccacaacgg aaacgcaata cagttgtggc catgcaagtc taatacagat      1080
164 gcaaatcagc tctggacttt gaaaagagac aatactatct gatctaattg aaagtgttta      1140
166 actacttacg ggtacagtcc gggagtctat gtgatgatct atgattgcaa tactgctgca      1200
168 actgatgcca cccgctggca aatatgggat aatggaacca tcataaatcc cagatctagt      1260
170 ctagttttag cagcgacatc agggaacagt ggtaccacac ttacagtgca aaccaacatt      1320
172 tatgccgtta gtcaaggttg gcttctact aataatacac aaccttttgt tacaaccatt      1380
174 gttgggctat atggtctgtg cttgcaagca aatagtggac aagtatggat agaggactgt      1440
176 agcagtga aaaggctgaaca acagtgggct ctttatgcag atggttcaat acgtcctcag      1500
178 caaaaccgag ataattgcct tacaagtgat tctaatacac gggaaacagt tgttaagatc      1560
180 ctctcttggt gccctgcac ctctggccaa cgatggatgt tcaagaatga tggaaaccatt      1620
182 ttaaatttgt atagtgggtt ggtgttagat gtgaggcgat cggatccgag ccttaacaa      1680
184 atcattcttt acctctcca tggtgaccca aaccaaatat ggttaccatt attttgatag      1740
186 acagattact ctcttcaggt gtgtgtgtcc tgccatgaaa atagatggct taaataaaaa      1800
188 ggacattgta aattttgtaa ctgaaaggac agcaagttat atcgaattcc tgcag      1855
191 <210> SEQ ID NO: 6
193 <211> LENGTH: 29
195 <212> TYPE: PRT
197 <213> ORGANISM: Ricinus communis
201 <400> SEQUENCE: 6
203 Cys Ala Pro Pro Ser Ser Gln Phe Ser Leu Leu Ile Arg Pro Val
204 1 5 10 15
207 Val Pro Asn Phe Asn Ala Asp Val Cys Met Asp Pro Glu
208 20 25

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RAW SEQUENCE LISTING

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Input Set : A:\PTO.AMC.txt

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211 <210> SEQ ID NO: 7
213 <211> LENGTH: 29
215 <212> TYPE: PRT
217 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
223 <223> OTHER INFORMATION: PAP301(MMP-9) linker
225 <400> SEQUENCE: 7
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228 1          5          10          15
231 Gln Arg Asn Phe Asn Ala Asp Val Cys Met Asp Pro Glu
232          20          25
235 <210> SEQ ID NO: 8
237 <211> LENGTH: 24
239 <212> TYPE: DNA
241 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
247 <223> OTHER INFORMATION: primer 302-3'
249 <400> SEQUENCE: 8
250 gggcagtgtgta tggatcctga gccc                24
253 <210> SEQ ID NO: 9
255 <211> LENGTH: 105
257 <212> TYPE: DNA
259 <213> ORGANISM: Ricinus communis
263 <400> SEQUENCE: 9
264 ctcattggtgt atagatgcgc acctccacca tcgtcacagt tttctttgct tataaggcca    60
266 gtggtaccaa attttaatgc tgatgtttgt atggatcctg agccc                105
269 <210> SEQ ID NO: 10
271 <211> LENGTH: 30
273 <212> TYPE: DNA
275 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
281 <223> OTHER INFORMATION: primer 302-5'
283 <400> SEQUENCE: 10
284 tgcaattcct tgcggagaaa actgtgacga                30
287 <210> SEQ ID NO: 11
289 <211> LENGTH: 48
291 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
299 <223> OTHER INFORMATION: pAP302(MMP-9) linker
301 <400> SEQUENCE: 11
302 gcacctccac catcgtcaca gttttctccg caaggaattg cagggcag                48
305 <210> SEQ ID NO: 12
307 <211> LENGTH: 1834
309 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
317 <223> OTHER INFORMATION: pAP302
319 <400> SEQUENCE: 12

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RAW SEQUENCE LISTING

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DATE: 11/12/2002

TIME: 18:20:44

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320 gaattcatga aaccgggagg aaatactatt gtaatatgga tgtatgcagt ggcaacatgg      60
322 ctttgttttg gatccacctc aggggtggtct ttcacattag aggataacaa catattcccc      120
324 aaacaatacc caattataaa ctttaccaca gcgggtgcca ctgtgcaaag ctacacaaac      180
326 tttatcagag ctgttcgcgg tegttaaca actggagctg atgtgagaca tgaaatacca      240
328 gtgttgccaa acagagttgg tttgcctata aaccaacggt ttatttttagt tgaactctca      300
330 aatcatgcag agctttctgt tacattagcg ctggatgtca ccaatgcata tgtggtcggc      360
332 taccgtgctg gaaatagcgc atatttcttt catcctgaca atcaggaaga tgcagaagca      420
334 atcactcatc ttttacttga tgttcaaaat cgatatacat tcgccttttg tggtaattat      480
336 gatagacttg aacaacttgc tggtaatctg agagaaaata tcgagttggg aaatggtcca      540
338 ctaggaggag ctatctcagc gctttattat tacagtactg gtggcactca gcttccaact      600
340 ctggctcggt cctttataat ttgcatccaa atgatttcag aagcagcaag attccaatat      660
342 attgagggag aaatgcgcac gagaattagg tacaaccgga gatctgcacc agatcctagc      720
344 gtaattacac ttgagaatag ttgggggaga ctttccactg caattcaaga gtctaaccac      780
346 ggagcctttg ctagtccaat tcaactgcaa agacgtaatg gttccaaatt cagtgtgtac      840
348 gatgtgagta tattaatccc tatcatagct ctcatggtgt atagatgcgc acctccacca      900
350 tcgtcacagt tttctcgcga aggaattgca gggcagtgtg tggatcctga gcccatagtg      960
352 cgtatcgtag gtcgaaatgg tctatgtgtt gatgttaggg atggaagatt ccacaacgga     1020
354 aacgcaatac agttgtggcc atgcaagtct aatacagatg caaatcagct ctggactttg     1080
356 aaaagagaca ataactattc atctaattga aagtgtttaa ctacttacgg gtacagtccg     1140
358 ggagtctatg tgatgatcta tgattgcaat actgctgcaa ctgatgccac ccgctggcaa     1200
360 atatgggata atggaaccat cataaatccc agatctagtc tagtttttagc agcgacatca     1260
362 gggaacagtg gtaccacact tacagtgcaa accaaccattt atgccgttag tcaagggttg     1320
364 cttcctacta ataatacaca accttttgtt acaaccattg ttgggctata tggctctgtc     1380
366 ttgcaagcaa atagtggaca agtatggata gaggactgta gcagtgaaaa ggctgaacaa     1440
368 cagtgggctc tttatgcaga tggttcaata cgctctcagc aaaaccgaga taattgcctt     1500
370 acaagtgatt ctaatatagc ggaaacagtt gttaagatcc tctcttgttg ccctgcatcc     1560
372 tctggccaac gatggatgtt caagaatgat ggaaccattt taaatttgta tagtgggttg     1620
374 gtgtagatg tgaggcgatc ggatccgagc cttaaacaaa tcattcttta ccctctccat     1680
376 ggtgacccaa accaaatatg gttaccatta ttttgataga cagattactc tcttgcagtg     1740
378 tgtgtgtcct gccatgaaaa tagatggctt aaataaaaag gacattgtaa attttgtaac     1800
380 tgaaaggaca gcaagttata tcgaattcct gcag                                1834

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383 <210> SEQ ID NO: 13

385 <211> LENGTH: 29

387 <212> TYPE: PRT

389 <213> ORGANISM: Ricinus communis

393 <400> SEQUENCE: 13

395 Cys Ala Pro Pro Pro Ser Ser Gln Phe Ser Leu Leu Ile Arg Pro Val

396 1 5 10 15

399 Val Pro Asn Phe Asn Ala Asp Val Cys Met Asp Pro Glu

400 20 25

403 <210> SEQ ID NO: 14

405 <211> LENGTH: 22

407 <212> TYPE: PRT

409 <213> ORGANISM: Artificial Sequence

413 <220> FEATURE:

415 <223> OTHER INFORMATION: PAP302(MMP-9) linker

417 <400> SEQUENCE: 14

419 Cys Ala Pro Pro Pro Ser Ser Gln Phe Ser Pro Gln Gly Ile Ala Gly

420 1 5 10 15

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/089,058

DATE: 11/12/2002

TIME: 18:20:44

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\11122002\J089058.raw

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423 Gln Cys Met Asp Pro Glu
424          20
427 <210> SEQ ID NO: 15
429 <211> LENGTH: 24
431 <212> TYPE: DNA
433 <213> ORGANISM: Artificial Sequence
437 <220> FEATURE:
439 <223> OTHER INFORMATION: primer 303-3'
441 <400> SEQUENCE: 15
442 gggcagcgaa attttaatgc tgat                                24
445 <210> SEQ ID NO: 16
447 <211> LENGTH: 105
449 <212> TYPE: DNA
451 <213> ORGANISM: Ricinus communis
455 <400> SEQUENCE: 16
456 ctcatggtgt atagatgcgc acctccacca tctgcacagt tttctttgct tataaggcca    60
458 gtggtaccaa attttaatgc tgatgtttgt atggatcctg agccc                    105
461 <210> SEQ ID NO: 17
463 <211> LENGTH: 36
465 <212> TYPE: DNA
467 <213> ORGANISM: Artificial Sequence
471 <220> FEATURE:
473 <223> OTHER INFORMATION: primer 303-5'
475 <400> SEQUENCE: 17
476 tgcaattcct tgcggagagc atctatacac catgag                                36
479 <210> SEQ ID NO: 18
481 <211> LENGTH: 45
483 <212> TYPE: DNA
485 <213> ORGANISM: Artificial Sequence
489 <220> FEATURE:
491 <223> OTHER INFORMATION: pAP303 (MMP-1) linker
493 <400> SEQUENCE: 18
494 tctccgcaag gaattgcagg gcagcgaaat tttaatgctg atgtt                    45
497 <210> SEQ ID NO: 19
499 <211> LENGTH: 1831
501 <212> TYPE: DNA
503 <213> ORGANISM: Artificial Sequence
507 <220> FEATURE:
509 <223> OTHER INFORMATION: pAP303
511 <400> SEQUENCE: 19
512 gaattcatga aaccgggagg aaatactatt gtaatatgga tgtatgcagt ggcaacatgg    60
514 ctttgttttg gatccacctc aggggtggtct ttcacattag aggataacaa catattcccc    120
516 aaacaatacc caattataaa ctttaccaca gcgggtgcc a ctgtgcaaag ctacacaaac    180
518 tttatcagag ctgttcgcgg tctgttaaca actggagctg atgtgagaca tgaaatacca    240
520 gtgttgccaa acagagttgg tttgcctata aaccaacggt ttattttagt tgaactctca    300
522 aatcatgcag agctttctgt tacattagcg ctggatgtca ccaatgcata tgtggtcggc    360
524 taccgtgctg gaaatagcgc atatttcttt catcctgaca atcaggaaga tgcagaagca    420
526 atcactcatc ttttactga tgttcaaaat cgatatacat tcgcctttgg tggtaattat    480
528 gatagacttg aacaacttgc tggtaatctg agagaaaata tcgagttggg aaatggtcca    540

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/089,058

DATE: 11/12/2002

TIME: 18:20:45

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\11122002\J089058.raw

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date